[54] TRANSFER OF MESSAGES IN A MULTIPLEXED SYSTEM

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[56] References Cited

U.S. PATENT DOCUMENTS

3,988,545	10/1976	Kuemmerle et al 370/83
4,168,469	9/1979	Parikh et al
4,225,919	9/1980	Kyu et al 364/200
4,354,252	10/1982	Lamb et al
4,369,443	1/1983	Giallanza et al 340/825 47
4.379,946	4/1983	Mizuno et al 178/3
4,410,889	10/1983	Bryant et al 370/82
4,517,669	5/1985	Freeburg et al 370/82
4.570.257	2/1986	Olson et al 370/94.1

FOREIGN PATENT DOCUMENTS

 0055674
 7/1982
 European Pat Off

 0079426
 5/1983
 European Pat. Off

 0212701
 3/1987
 European Pat. Off

 1326569
 8/1973
 United Kingdom

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[57] ABSTRACT

A method and apparatus for transmitting variable length messages on a network in fixed length slots including the provision of a source identifier field in the header of each slot, the source identifier field including a code which is uniquely associated with the message to be transmitted. The fixed length slots are then transmitted on the network and reassembly of the slots by a reassembly machine is controlled in accordance with the identifier codes in the slot.

14 Claims, 12 Drawing Sheets

